

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047316.D
 Acq On : 13 Aug 2025 12:57
 Operator : JC/MD
 Sample : Q2814-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Aug 14 03:27:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	192365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	345322	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	164299	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	145640	60.778	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	121.560%#
35) Dibromofluoromethane	5.403	113	125850	59.025	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	118.060%
50) Toluene-d8	8.653	98	340850	49.364	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.720%
62) 4-Bromofluorobenzene	11.079	95	165915	55.758	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.520%

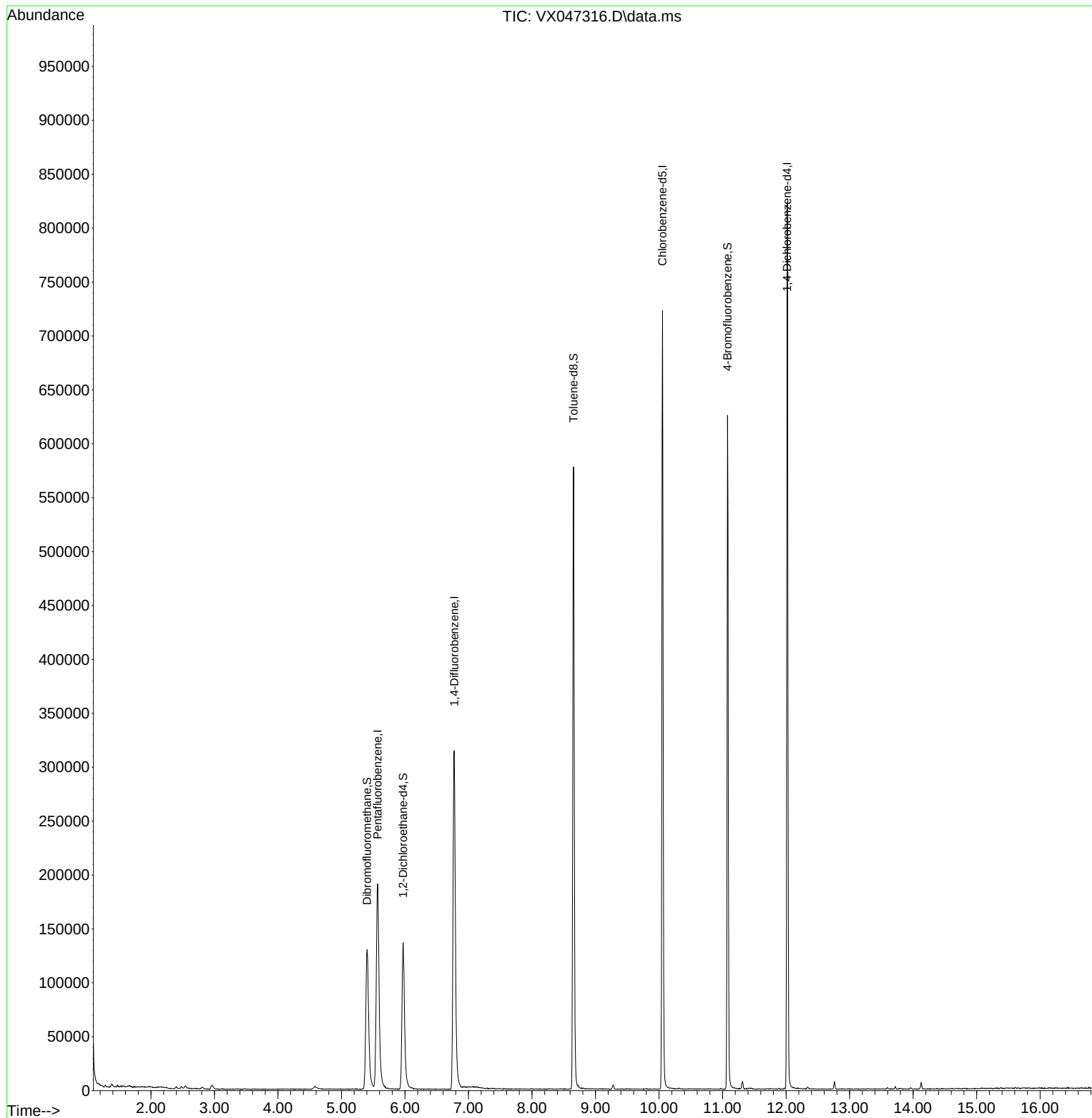
Target Compounds	Qvalue

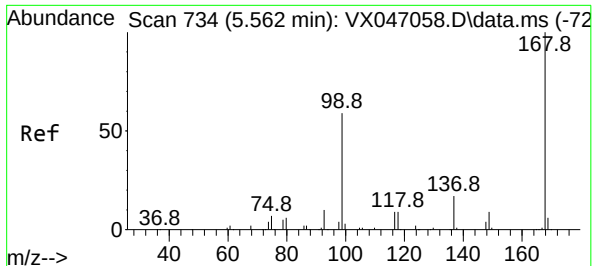
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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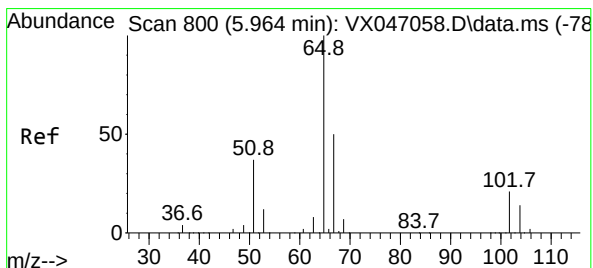
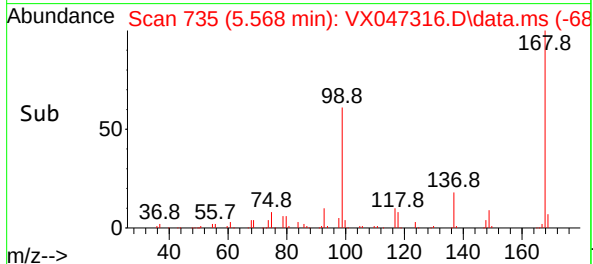
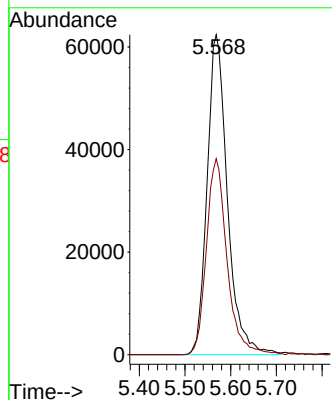
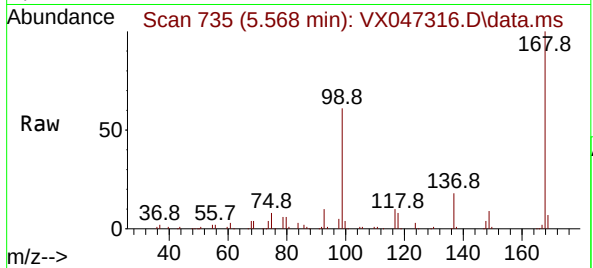




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

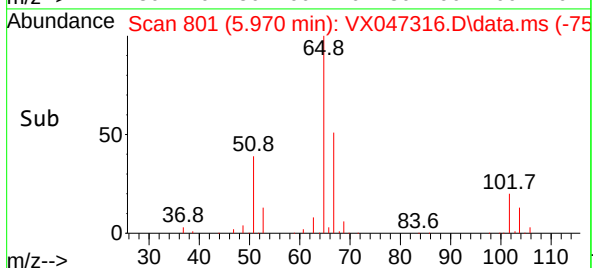
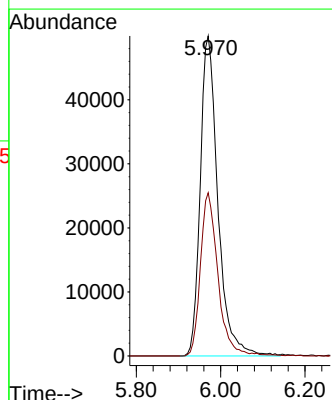
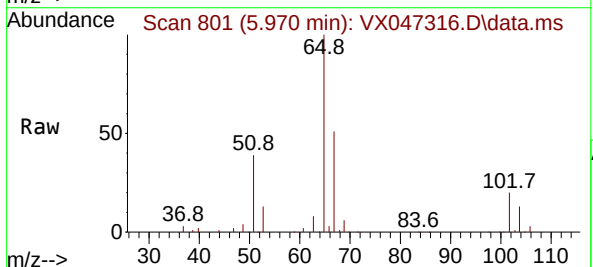
Instrument :
MSVOA_X
ClientSampleId :
TB

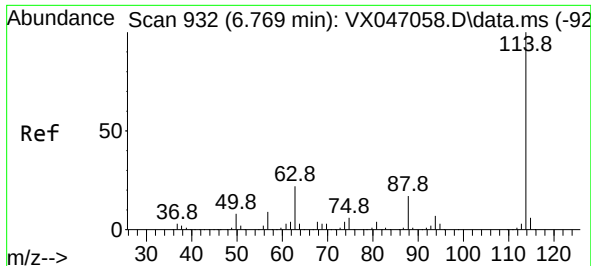
Tgt Ion:168 Resp: 192365
Ion Ratio Lower Upper
168 100
99 61.3 48.0 72.0



#33
1,2-Dichloroethane-d4
Concen: 60.778 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

Tgt Ion: 65 Resp: 145640
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.8

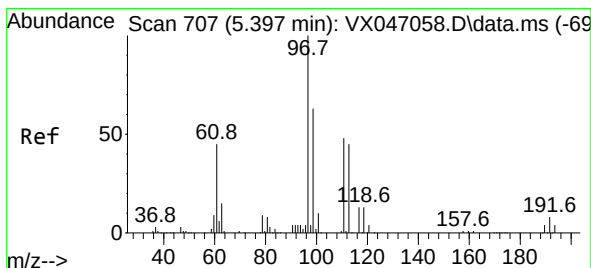
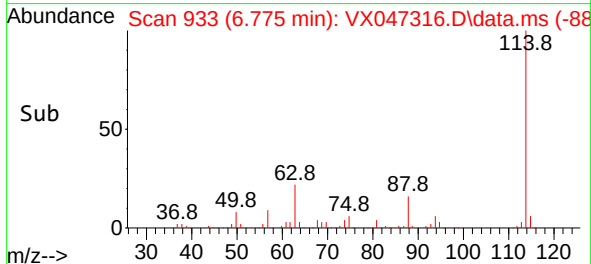
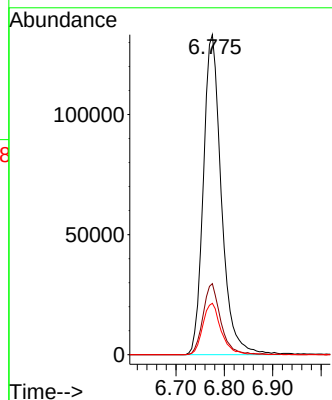
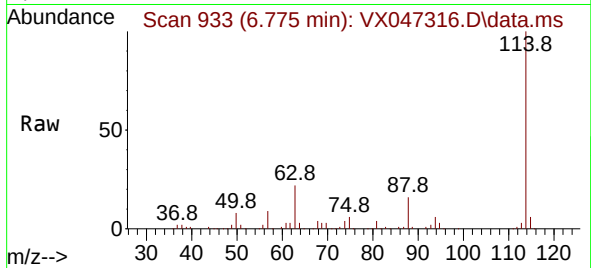




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

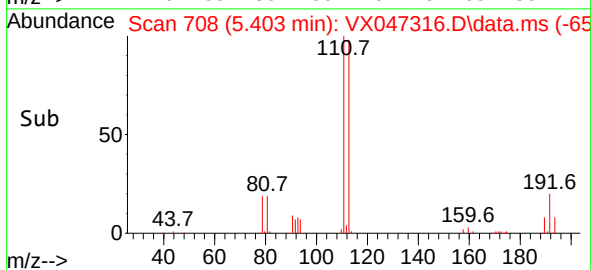
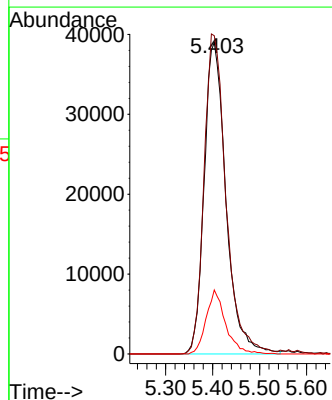
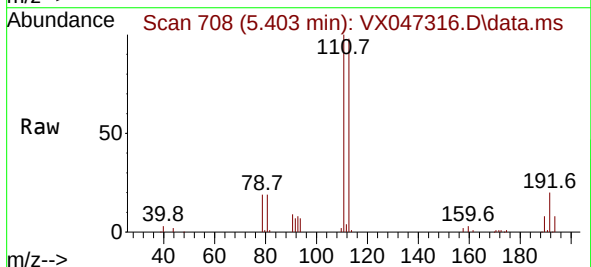
Instrument :
MSVOA_X
ClientSampleId :
TB

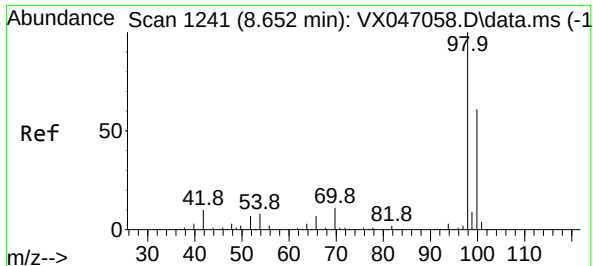
Tgt Ion:114 Resp: 345322
Ion Ratio Lower Upper
114 100
63 22.2 0.0 43.2
88 16.0 0.0 33.8



#35
Dibromofluoromethane
Concen: 59.025 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

Tgt Ion:113 Resp: 125850
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 18.3 14.9 22.3

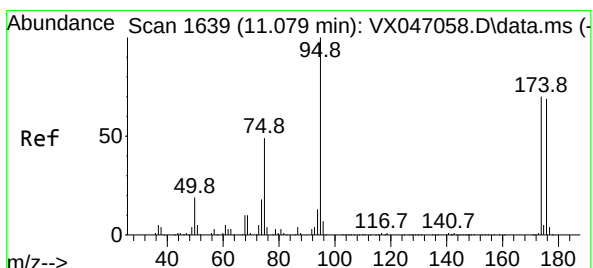
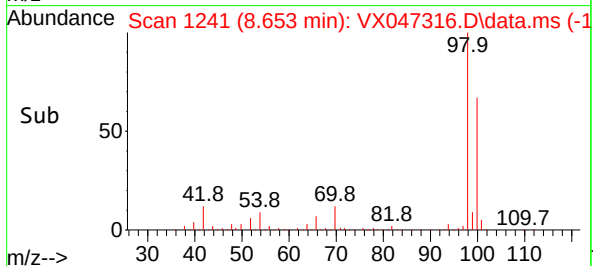
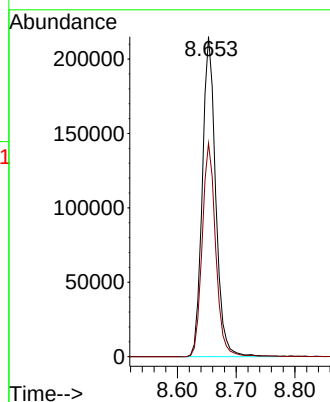
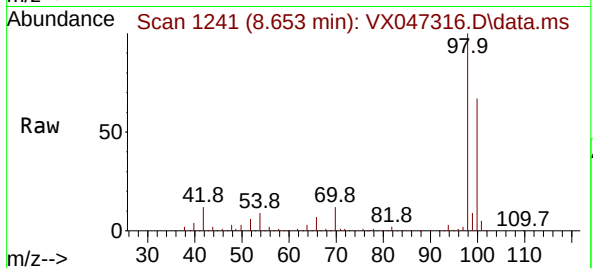




#50
Toluene-d8
Concen: 49.364 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

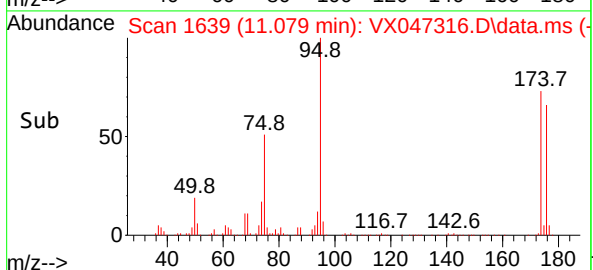
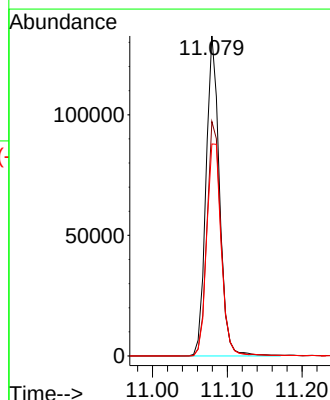
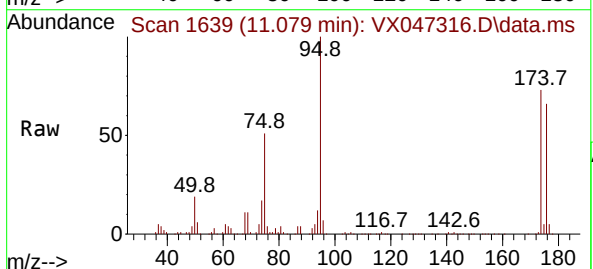
Instrument :
MSVOA_X
ClientSampleId :
TB

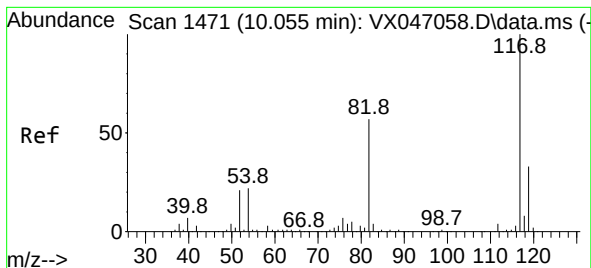
Tgt Ion: 98 Resp: 340850
Ion Ratio Lower Upper
98 100
100 67.3 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 55.758 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047316.D
Acq: 13 Aug 2025 12:57

Tgt Ion: 95 Resp: 165915
Ion Ratio Lower Upper
95 100
174 75.9 0.0 144.6
176 72.1 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047316.D

Acq: 13 Aug 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

TB

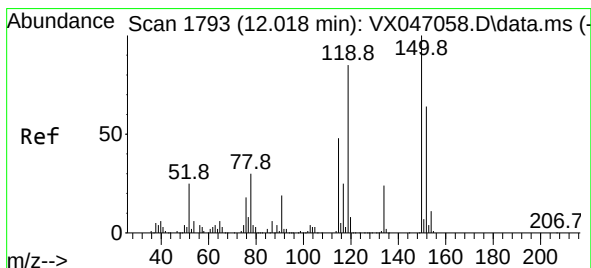
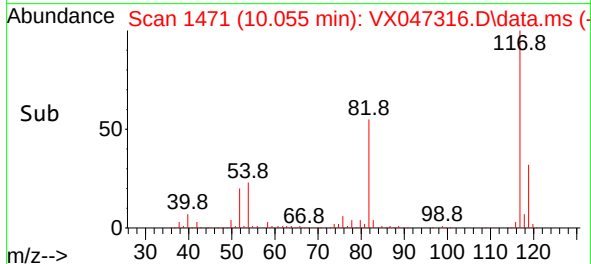
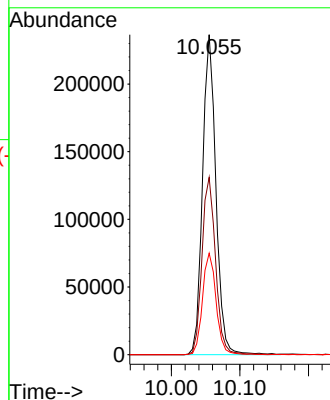
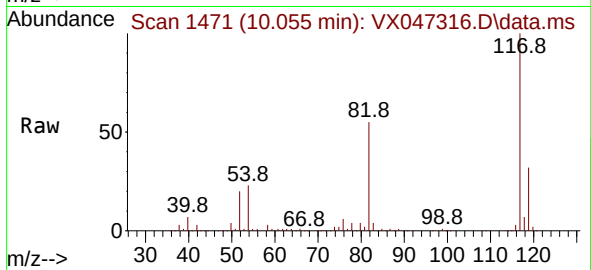
Tgt Ion:117 Resp: 321526

Ion Ratio Lower Upper

117 100

82 55.4 45.4 68.2

119 31.7 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047316.D

Acq: 13 Aug 2025 12:57

Tgt Ion:152 Resp: 164299

Ion Ratio Lower Upper

152 100

115 61.3 45.6 136.7

150 157.6 0.0 354.6

